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PANASONIC CT-G2173 MANUAL

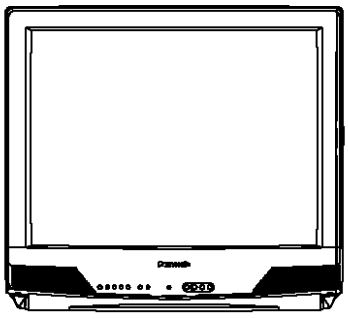
Table of Contents

Table of Contents
Congratulations
Customer Record
Care and Cleaning
Specifications
Feature Chart
Installation
Television Location
Optional Cable Connections
AC Power Supply Cord

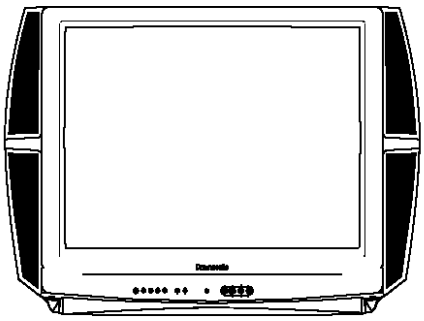
Cable / Antenna Connection
Important Information Regarding The Use Of Video Games, Computers, Or Other Fixed Image Displays
Auto Set Up Menu
Optional Equipment Connections
VCR Connection
Front Control Panel
Cable Box Connection
Connection
Remote Control Operation
Battery Installation
Icon Menu Navigation
Icon Menu Operation
Set Up
Picture
Timer
Channels
Audio
Lock
V-Chip Menu Operation
Troubleshooting Chart
Index
Other ManualsLib Projects

Panasonic

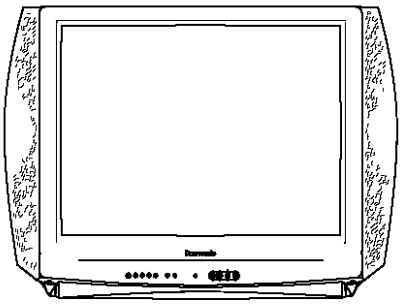
Color Television



CT-20G8
CT-20G8S
CT-20L8



CT-G2133
CT-G2133L



CT-G2173
CT-G2173L

TQB2AA0452 **30501**
PRINTED IN USA
IMPRESO EN EE.UU
IMPRIMÉ AUX ÉTATS-UNIS

ENGLISH

WARNING

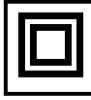
RISK OF ELECTRIC SHOCK DO NOT OPEN

WARNING: To reduce the risk of electric shock do not remove cover or back. No user-serviceable parts inside. Refer servicing to qualified service personnel.

The lightning flash with arrow head within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.

The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.



The Class II insulation symbol (square within a square) indicates that this product has been evaluated and tested to comply with Class II insulation requirements.

FCC CAUTION: **ANY CHANGES OR MODIFICATIONS TO THIS TV RECEIVER NOT EXPRESSLY APPROVED BY MATSUSHITA ELECTRIC CORPORATION OF AMERICA COULD CAUSE HARMFUL INTERFERENCE, WHICH WOULD VOID THE USER'S AUTHORITY TO OPERATE THIS EQUIPMENT.**

ENVIRONMENTAL NOTICE: **THIS PRODUCT UTILIZES CATHODE RAY TUBES (CRT) AND OTHER COMPONENTS THAT CONTAIN LEAD. DISPOSAL OF THESE MATERIALS MAY BE REGULATED IN YOUR COMMUNITY DUE TO ENVIRONMENTAL CONSIDERATIONS. FOR DISPOSAL OR RECYCLING INFORMATION PLEASE CONTACT YOUR LOCAL AUTHORITIES, OR THE ELECTRONICS INDUSTRIES ALLIANCE: <HTTP://WWW.EIAE.ORG.>**

ENERGY STAR

The Energy Star label, a symbol for energy efficiency, was created by the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE) to help customers identify products that can save them money and protect the environment by saving energy. Energy Star compliant products generally consume less energy than similar standard products.

Read these instructions completely before operating television.

Contents are subject to change without notice or obligation.

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Table of Contents

Congratulations 2
- Customer Record 2
- Care and Cleaning 2
- Specifications 2
- Feature Chart 2

Installation 3
- Television Location 3
- Optional Cable Connections 3
- AC Power Supply Cord 3
- Cable / Antenna Connection 3
- Important Information Regarding The Use Of Video Games, Computers, Or Other Fixed Image Displays .. 3

Auto Set Up Menu 4

Optional Equipment Connections 5
- VCR Connection 5
- Front Control Panel 5
- Cable Box Connection 5
- Digital TV - Set-Top Box (DTV-STB) or DVD Player Connection 5

Remote Control Operation 6
- Battery Installation 6

Icon Menu Navigation 7

Icon Menu Operation 8
- Set Up 8
- Picture 8
- Timer 9
- Channels 9
- Audio 9
- Lock 9

V-Chip Menu Operation 10

Troubleshooting Chart 13

Index 14

ENGLISH

Note: *The warranty and service center information is located in the back of this manual.*

Congratulations

Your new TV Monitor/Receiver features a solid state chassis that is designed to give you many years of enjoyment. It was thoroughly tested and tuned at the factory for best performance.

Customer Record

The model and serial number of this product are located on the back of the TV. You should note the model and serial number in the space provided and retain as a permanent record of your purchase. This will aid in identification in the event of theft or loss. Product registration for U.S. customers is available at: **www.prodreg.com/panasonic**.

Model Number

Serial Number

Care and Cleaning

Screen (Turn TV Off)

- Use a mild soap solution or window cleaner and a clean cloth.
- DO NOT USE ABRASIVE CLEANERS.
- Avoid excessive moisture and wipe dry.

Note: *Do not spray any type of cleaning fluid directly on the screen.*

Cabinet and Remote Control

- For cabinets and remote control, use a soft cloth dampened with water or a mild detergent solution.
- Avoid excessive moisture and wipe dry.
- Do not use benzene, thinner or other petroleum based products.

Specifications

Specifications are subject to change without notice or obligation.

Power Source **CT-20G8 (1.5A)** **CT-20G8S (1.5A)** **CT-20L8 (1.5A)**	120V AC, 60Hz
Channel Capability - 181	VHF-12; UHF-56; Cable-113
Video Input Jacks	1Vp-p, 75 Ohm, Phono Jack Type
Audio Input Jacks	500mV RMS 47K Ohm
Component Input ($Y / P_B / P_R$) (some models)	75 Ohm, Phono Jack Type
S-Video Input Jacks (some models)	S-Video (Y-C) Connector

Feature Chart

MODELS	*CT-20G8*	*CT-20G8S*	*CT-20L8*
FEATURES			
MENU LANGUAGE ENG/SPAN/FR	•	•	•
CLOSED CAPTIONING	•	•	•
V-CHIP CAPABILITY	•	•	•
VIDEO NORM	•	•	•
STEREO	•	•	•
AI SOUND	•	•	•
A/V IN (REAR/FRONT)	*1 (1/1)*	*1 (1/1)*	*2 (2/1)*
S-VHS INPUT	•	•	
COMPONENT INPUT			•
HEADPHONE JACK	•	•	•

Installation

Television Location

Follow these recommendations before deciding the location of your television.

- Avoid excessive sunlight or bright lights, including reflections.
- Keep away from excessive heat or moisture. Inadequate ventilation may cause internal component failure.
- Fluorescent lighting may reduce remote control transmitting range.
- Keep away from magnetic equipment, including motors, fans and external speakers.

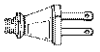
WARNING: Use this television receiver only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. In order to avoid injury to children, never place your television receiver on a piece of furniture that is capable of being tilted by a child leaning on it, pulling on it, standing on it, or climbing on it. A falling television can cause serious injury or even death.

Optional Cable Connections

Shielded audio and video cables should be used between components. For best results:

- Use 75-ohm coaxial shielded cables.
- Use appropriate input and output connectors, that match your component connectors.
- Avoid long cables to minimize interference.

AC Power Supply Cord



Polarized plug

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT OF AC OUTLET AND FULLY INSERT. DO NOT USE A PLUG WITH A RECEPTACLE OR OTHER OUTLET UNLESS THE BLADE CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

PROTECT POWER CORDS FROM BEING WALKED ON, ROLLED OVER, CRIMPED, BENT, OR PINCHED, PARTICULARLY AT PLUGS, CONVENIENCE RECEPTACLES, AND THE POINT WHERE THEY EXIT FROM THE APPARATUS.

Cable / Antenna Connection

For proper reception, either a cable or antenna connection is required.

Cable Connection

Connect the cable supplied by your local cable company.

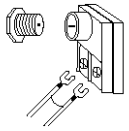
Note: *A cable converter box may be required for proper reception. Check with your local cable company for compatibility requirements.*

Incoming Cable from Cable Company

75 Ohm VHF/UHF on back of TV

Antenna Connection

- For proper reception of VHF/UHF channels, an external antenna is required. For best reception an outdoor antenna is recommended.



Incoming Cable from Home Antenna

Note: *Cable Mode is preset at the factory. Antenna users must change to TV Mode in the Set Up menu under Prog Chan .*

Important Information Regarding The Use Of Video Games, Computers, Or Other Fixed Image Displays.

WARNING: The marking or retained image on the picture tube resulting from viewing fixed image is not an operating defect and as such is not covered by Warranty.

This television is designed to display constantly moving images on the screen. Continuous viewing of stationary images such as letterbox pictures on standard screen TVs (with top/bottom bars), non-expanded standard (4:3) pictures on wide screen TVs (with side bars shown on each side of an image), stock market report bars (ticker running at the bottom of the screen), video game patterns, fixed scoreboards, bright station logos, on-line (Internet) or repetitive computer style patterns should be limited.

The extended use of fixed image program material can cause a permanent picture tube damage, shown as a "shadow image" viewable on normal programs. This type of irreversible picture tube deterioration can be limited by performing the following steps:

- Do not display the fixed image for extended periods of time.
- Turn the power off when not in use.

ENGLISH

Auto Set Up Menu

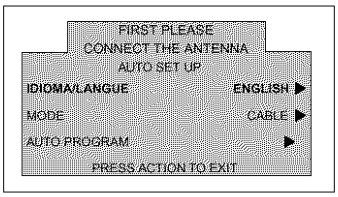
For your convenience, Auto Set up menu will be displayed on screen when the set is turned on for the first time. If needed, follow the menus and procedures for setting up the features.

IDIOMA/LANGUE

To change menu language to ENGLISH, SPANISH or FRENCH.

Procedure

- Press **VOL ▶** to select English, Spanish or French.

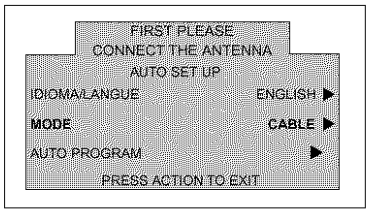


MODE

To select TV (antenna) or CABLE mode depending on the signal source

Procedure

- Press **VOL ▶**to select TV or CABLE.

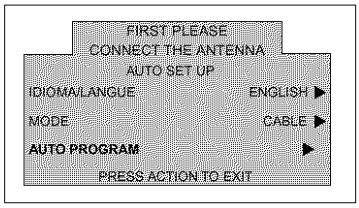


AUTO PROGRAM

To automatically program all channels with a signal.

Procedure

- Press **VOL ▶** to start Auto Programming.



Optional Equipment Connections

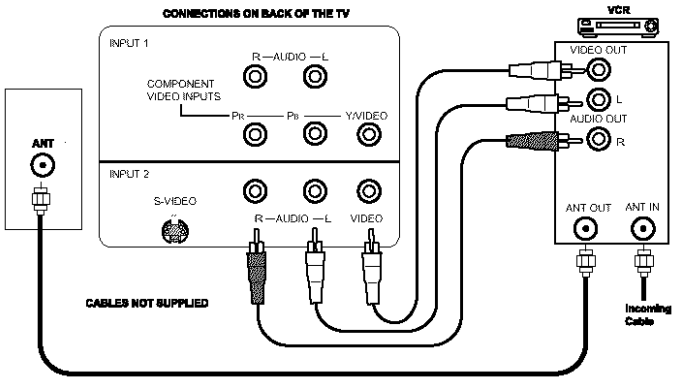
Note: *The remote control must be programmed with supplied codes to operate the optional equipment.*

VCR Connection

VCRs, video disc players, video game equipment, and DSS equipment can also be connected to the video inputs. See the optional equipment manual for more information.

Note for models with Component video input:

- *VIDEO 1 input is a dual-purpose input. It is primarily intended for connection with 480i devices such as a DVD player using the Y P_B P_R component video jacks and Audio L & R jacks. However, it can also be connected to conventional composite video sources such as a VCR, using only the Y/Video jack and Audio L & R jacks. The on-screen label will display Component or Video 1 depending on which source is connected.*



Note: *Rear A/V jacks diagram may vary, depending on model. Please refer to the FEATURE CHART on page 2 for your model capabilities.*

Procedure

- Connect equipment as shown to rear Audio/Video input jacks.

  Note: *Use either the S-Video or Video Connection for models with S-Video connection.*
- Select the Video mode by pressing **TV/VIDEO** button.
- Operate optional equipment as instructed in equipment manual.

Front Control Panel

The front control panel can be used to access menus and switch video mode when the remote control is not available.

Note: *Front A/V jacks diagram may vary, depending on model. Please refer to the FEATURE CHART on page 2 for your model capabilities.*

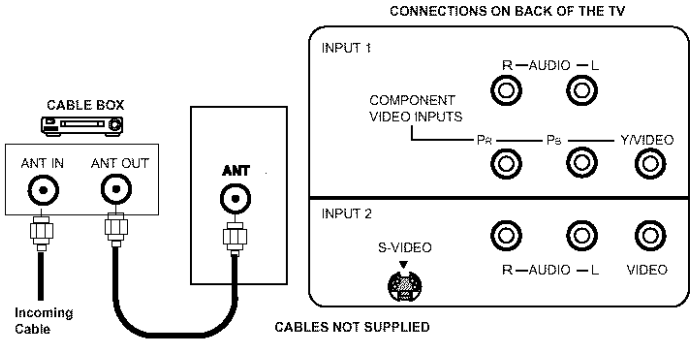
A second VCR, Camcorder, a video disc player, video game equipment or DSS equipment can also be connected to the vidoeo inputs. See the optional equipment manual.

Procedure

- Connect equipment to front Audio/Video input jacks.
- Select the Video mode by pressing **TV/VIDEO** button.
- Operate optional equipment as instructed in equipment manual.

Cable Box Connection

Follow this diagram when connecting your television to a Cable Box.



Note: *Rear A/V jacks diagram may vary, depending on model. Please refer to the FEATURE CHART on page 2 for your model capabilities.*

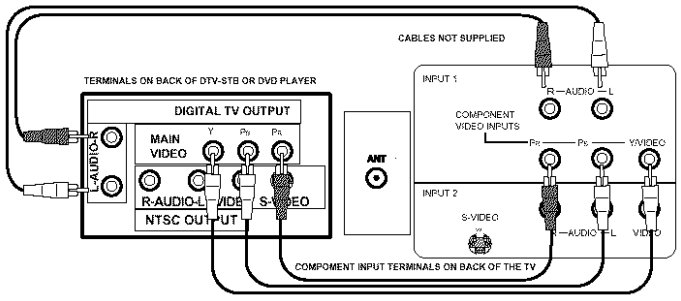
Procedure

- Tune the television to channel 3 or 4 depending on the RF out setting of the cable box.
- Using the cable box, tune to the premium cable channel you want to view.

Digital TV - Set-Top Box (DTV-STB) or DVD Player Connection (some models)

Use this diagram to connect the Panasonic DTV-STB (Digital TV-Set-Top Box) to the back of your TV.

Note: *Rear A/V jacks diagram may vary, depending on model. Please refer to the FEATURE CHART on page 2 for your model capabilities.*

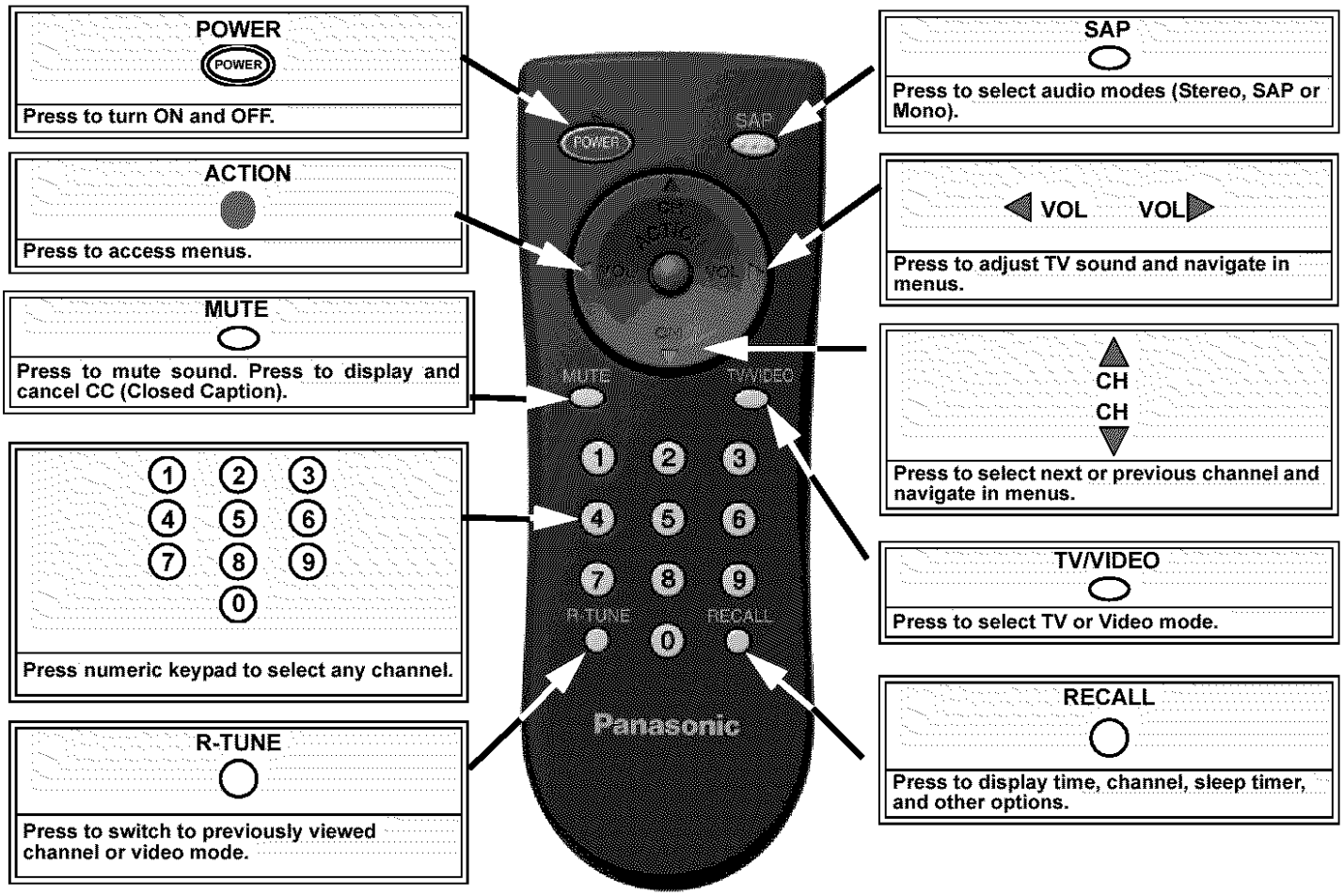


Notes:

- There are three video jacks, Y, P_B, and P_R. Separate component color inputs provide luminance and color separation. Use the L (left) and R (right) audio inputs.
- Select DTV-STB to **480i** output mode. TV set can receive **480i** signal only.

ENGLISH

Remote Control Operation


POWER
Press to turn ON and OFF.
ACTION
Press to access menus.
MUTE
Press to mute sound. Press to display and cancel CC (Closed Caption).
Press numeric keypad to select any channel.
R-TUNE
Press to switch to previously viewed channel or video mode.
SAP
Press to select audio modes (Stereo, SAP or Mono).
VOL VOL
Press to adjust TV sound and navigate in menus.
CH
CH
Press to select next or previous channel and navigate in menus.
TV/VIDEO
Press to select TV or Video mode.
RECALL
Press to display time, channel, sleep timer, and other options.
Panasonic

EUR7713010

Battery Installation

Use two AA batteries:

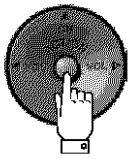
Remove battery cover by pushing in and up near arrow.
Install batteries matching (+) and (-) polarity signs.
Replace the battery cover.

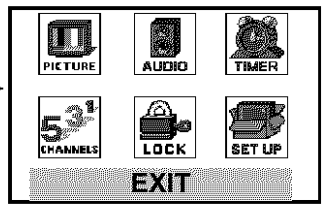
Note: *Incorrect installation can cause battery leakage and corrosion that will damage the Remote Control.*

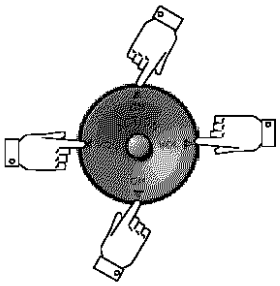
Precautions

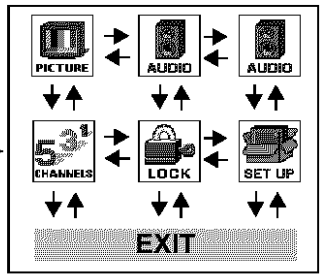
- Replace batteries in pairs.
- Do not mix battery types (zinc carbon with alkaline).
- Do not recharge, heat, short-circuit, disassemble, or burn batteries.

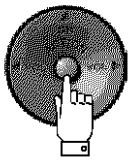
Icon Menu Navigation

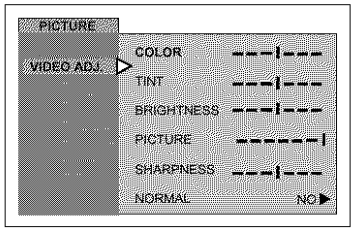
Press  to display the Icons.

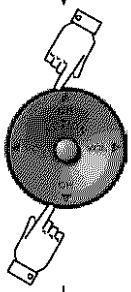


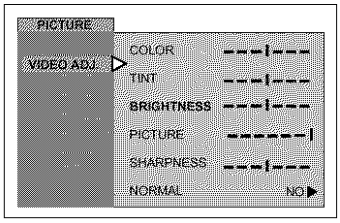
Press  to select desired icon.

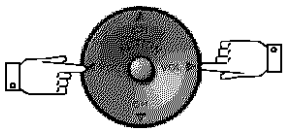


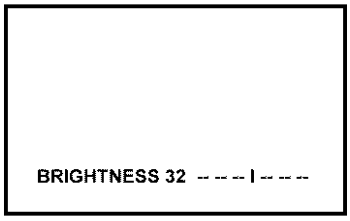
Press  to display selected Icon features.



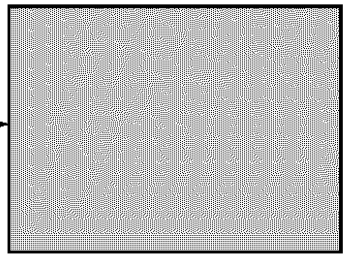
Press  to select feature.



Press  to adjust or activate feature.



Press repeatedly to exit menus.



NORMAL PICTURE

ENGLISH

Icon Menu Operation

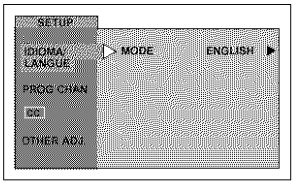
Note: *Refer to page 7 for Icon Menu Navigation procedures.*

SET UP

IDIOMA/LANGUE (Menu Languages)

❒ MODE - Select IDIOMA/LANGUE to change menu language to ENGLISH, ESPAÑOL (Spanish) or FRANÇAIS (French).

Note: *While highlighted, press* ***VOL*** ▶ *to select English, Spanish or French.*



PROG CHAN (Program Channels)

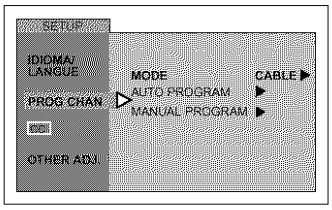
Note: *While highlighted, press* ***VOL*** ▶ *to select or activate features.*

❒ MODE - To select TV (antenna) or CABLE mode depending on the signal source.

❒ AUTO PROGRAM - To automatically program all channels with a signal.

❒ MANUAL PROGRAM - To manually add or delete channels.

Note: *Use Remote numeric keypad to enter channel numbers in Manual Program sub menu.*

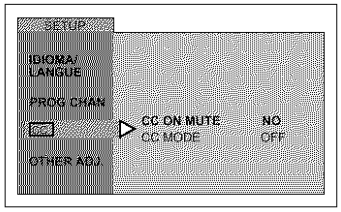


CC (CLOSED CAPTIONING)

This television contains a built-in decoder that displays CC (Closed Captioned) text across the screen (white or colored letters on black background). It allows the viewer to read the dialogue of a television program or other information. The program viewed must include Closed Captioning for the feature to work.

Note: *While highlighted, press* **VOL** ▶ *to select modes.*

❒ CC ON MUTE - Activates the onscreen Closed Caption feature when the **MUTE** button on the remote control is pressed. To deactivate press **MUTE** button again.



❒ CC MODE - Activates the onscreen Closed Caption feature by selecting one of the following modes.

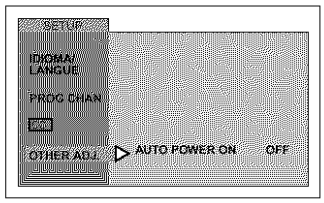
- OFF - When Closed Caption is not desired.
- C1 - For video related information to be displayed, up to 4 lines onscreen at a time. (It does not block relevant parts of the picture). Text may be in any language.
- C2 - For other modes of video related information.

Note: *C1 mode is recommended for viewing Closed Caption.*

Other Adjustments

Note: *While highlighted, press* **VOL** ▶ *to select or activate features.*

❒ AUTO POWER ON - Select SET to power up the TV at the same time as the Cable box or other components or select OFF.



PICTURE

Note: *While the sub-menu features ares highlighted, press* **VOL** ▶ *to adjust or activate.*

VIDEO ADJ.

❒ COLOR - Adjusts desired color intensity.

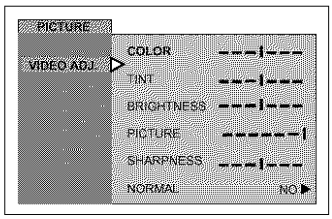
❒ TINT - Adjusts natural flesh tones.

❒ BRIGHTNESS - Adjusts dark areas of picture.

❒ PICTURE - Adjusts white areas of picture.

❒ SHARPNESS - Adjusts clarity of outline detail.

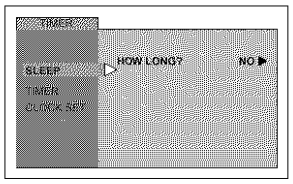
❒ NORMAL - Reset adjustments to factory default settings.



TIMER

SLEEP

❒ How Long? - Select 30, 60 or 90 minutes for TV to turn off. Select NO to turn off Sleep timer.

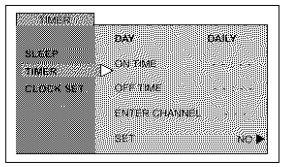


TIMER

Select timer to turn the television on and off at selected times, on selected channels, and on selected days. Time must be entered in CLOCK SET to operate the TIMER features.

Procedure

- Use the **VOL ▶** and **CH ▼** to set day, On Time, Off Time and Channel number, then use the **VOL ▶** to activate.



Notes:

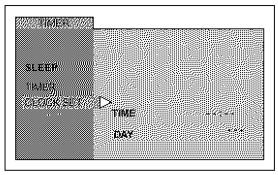
- The television automatically turns OFF after 90 minutes when turned ON by the TIMER. If the OFF time is selected or if a key is pressed, the automatic OFF after 90 minutes will be cancelled.
- The TIMER is active when the television is OFF or ON. The television will switch to the selected channel at the selected time set in the TIMER.

CLOCK SET

❒ TIME - Set the time of the day.
❒ Day - Set the day of the week.

Procedure

Note: *Use* **◀ VOL , VOL ▶** *and* **CH ▼** *to set time and day.*

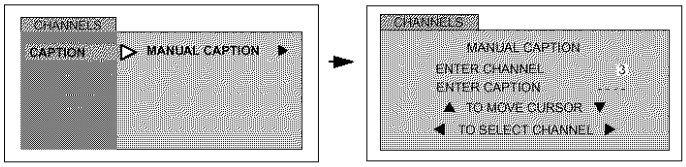


CHANNELS

CAPTION

MANUAL CAPTION - To enter numbers and captions manually.

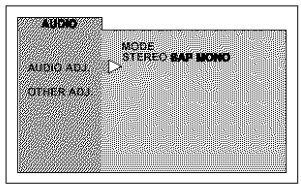
Note: *Use the remote numeric keypad to select desired channel (refer to your local TV guide).*



AUDIO

AUDIO ADJ.

❒ MODE - Select STEREO, SAP (Second Audio Program) or MONO. (Use MONO when stereo signal is weak).

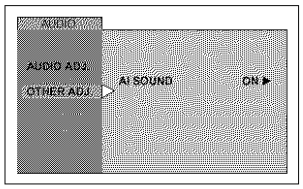


OTHER ADJ.

❒ AI SOUND - Equalize overall volume levels across all channels. (AI sound is not available in VIDEO mode).

Procedure

- Press **VOL ▶** to select On or OFF.



LOCK

MODE

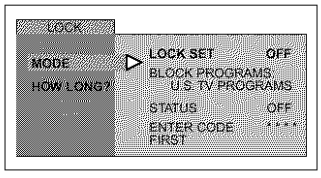
❒ LOCK SET - To prevent video games, VCR tapes and all channels and video modes from being viewed.

Notes:

- Use the remote numeric keypad to enter a four-digit secret code (Use a code that is easy to remember and record it in a safe place).
- If you do not remember your code, LOCK will unlock in 12, 24, or 48 hours, depending on the current setup. Be cautious when selecting ALWAYS. If ALWAYS is selected, and you forget your secret code, the TV must be serviced by a qualified technician to clear the LOCK setup.
- If you select CHANGE CODE, and you change your code from the one used in the LOCK menu, your new code becomes the controlling code.

Procedure

- Press **VOL ▶** to select.
  - OFF - Turns Lock function off.
  - GAME - Lock CH 3, 4 and Video inputs.
  - CHANNEL - Lock up to four channels.
  - ALL - Locks all channels and video inputs.



ACTION

- Press ● twice.
- Press **CH ▼** to highlight HOW LONG?
- Press **VOL ▶** to select 12 Hours, 24 Hours, 48 Hours or ALWAYS.

Note: *If* ***GAME***, ***CHANNEL*** *or* ***ALL*** *is selected, and if a blocked channel or video input is selected, the message* ***LOCKED*** *displays in the upper left corner of the TV screen.*

ENGLISH

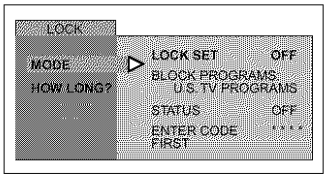
V-Chip Menu Operation

Procedure

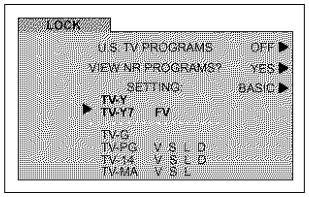
- Use the numeric keypad to enter your four digit code. **(Use a code that is easy to remember and record it in a safe place.)**
- Press **CH ▼** to enter the BLOCK PROGRAMS field.
- Press **◀ VOL** or **VOL ▶** to select desired option: U.S. TV Programs, U.S. Movies, Canadian English or Canadian French.
- Press **CH ▼** to highlight STATUS.
- Press **◀ VOL** or **VOL ▶** to display desired rating chart: U.S. TV Programs, U.S. Movies, Canadian English or Canadian French.
- Press **VOL ▶** to select ON or OFF.
- Press **CH ▼** to select VIEW NR PROGRAMS? for U.S. TV Programs and U.S. Movies or VIEW E PROGRAMS for Canadian English and Canadian French.
- Press **VOL ▶** to select YES or NO.

U.S. TV PROGRAMS

This TV model features the "V-Chip technology" which allows you to use U.S. TV PROGRAMS Guide ratings to block various types of TV programs.



Note: *Selecting "Yes", NR programs will be received. Selecting "NO", NR programs will be blocked (See Customer Caution below). .*



Procedure

- Press **CH ▼** to select SETTING.
- Press **VOL ▶** to select BASIC or DETAILED.
  BASIC - Allows you to select only general ratings such as TV-Y, TV-PG, etc.
  DETAILED - Allows you to select both general ratings and content such as V, L, etc.
- Press **CH ▼** or **CH ▲** to move between different ratings.
- Use **◀ VOL** or **VOL ▶** to select ratings you want to block (RED) and unblock (GREEN).
- Press ACTION twice to return to MODE in Lock menu.
- Press **CH ▼** to select HOW LONG?.
- Press **◀ VOL** or **VOL ▶** to select 12, 24, 48 hours or ALWAYS.

Customer Caution

The V-Chip system that is used in this set is capable of blocking "NR" programs (non rated, not applicable and none) per FCC Rules Section 15.120(e)(2). If the option of blocking "NR" programs is chosen "unexpected and possibly confusing results may occur, and you may not receive emergency bulletins or any of the following types of programming:"

- Emergency Bulletins (Such as EAS messages, weather warnings and others)
- Locally originated programming
- News
- Political
- Public Service Announcements
- Religious
- Sports
- Weather

U.S. TV Programs Rating Chart Description

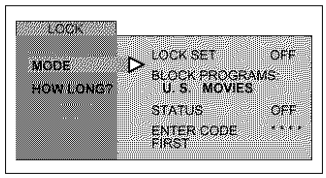
NR	**Not Rated. SEE CUSTOMER CAUTION on previous page.**
TV-Y	**All children.** The themes and elements in this program are specifically designed for a very young audience, including children from ages 2-6.
TV-Y7	**Directed to older children.** Themes and elements in this program may include mild physical or comedic violence, or may frighten children under the age of 7.
TV-G	**General audience.** It contains little or no violence, no strong language, and little or no sexual dialogue or situations.
TV-PG	**Parental guidance suggested.** The program may contain infrequent coarse language, limited violence, some suggestive sexual dialogue and situations.
TV-14	**Parents strongly cautioned.** This program may contain sophisticated themes, sexual content, strong language and more intense violence.
TV-MA	**Mature audiences only.** This program may contain mature themes, profane language, graphic violence, and explicit sexual content.
FV	**FANTASY/CARTOON VIOLENCE**
V	**VIOLENCE**
S	**SEX**
L	**OFFENSIVE LANGUAGE**
D	**DIALOGUE WITH SEXUAL CONTENT**

U.S. MOVIES

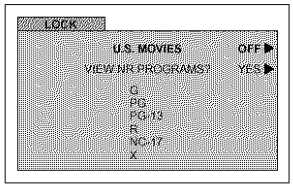
This TV model features the "V-Chip technology" which allows you to use Motion Picture Ratings when viewing movies or video tapes. This innovation allows parents to block various types of movies and video tapes at their discretion.

V-Chip Menu Operation (cont.)

U.S. MOVIES (cont.)



Note: *Some movies are not rated for a variety of reasons. Old movies and foreign films are usually not rated.*



Procedure

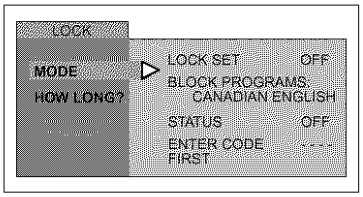
- Press **CH ▼** or **CH ▲** to move between different ratings.
- Use **◀ VOL** or **VOL ▶** to select ratings you want to block (**RED**) and unblock (**GREEN**).
- Press **ACTION** twice to return to MODE in Lock menu.
- Press **◀ VOL** or **VOL ▶** to select 12, 24, 48 hours or ALWAYS.

U.S. Movies Rating Chart Description

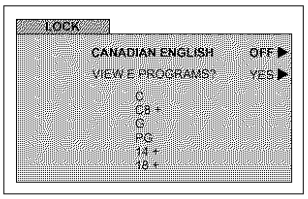
NR	**CONTAINS NO RATING (NOT RATED) AND NA (NOT APPLICABLE) PROGRAMS**. Movie has not been rated or rating does not apply.
G	**GENERAL AUDIENCES.** All ages admitted.
PG	**PARENTAL GUIDANCE SUGGESTED.** Some material may not be suitable for children.
PG-13	**PARENTS STRONGLY CAUTIONED.** Some material may be inappropriate for children under 13.
R	**RESTRICTED.** Under 17 requires accompanying parent or adult guardian.
NC-17	**NO ONE 17 AND UNDER ADMITTED.**
X	**ADULTS ONLY.**

CANADIAN ENGLISH

The V-CHIP used in this TV model allows you to block various types of movies and television programs based on the two rating systems used in Canada.



Note: *E (Exempt) programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.*



Procedure

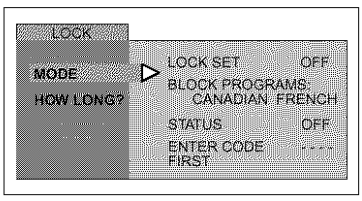
- Press **CH ▼** or **CH ▲** to move between different ratings.
- Use **◀ VOL** or **VOL ▶** to select ratings you want to block (**RED**) and unblock (**GREEN**).
- Press **ACTION** twice to return to MODE in Lock menu.
- Press **◀ VOL** or **VOL ▶** to select 12, 24, 48 hours or ALWAYS.

Canadian English Rating Description

E	**Exempt - Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.**
C	**Programming intended for children under age 8. No offensive language, nudity or sexual content.**
C8+	**Programming generally considered acceptable for children 8 years and over. No profanity, nudity or sexual content.**
G	**General programming, suitable for all audiences.**
PG	**Parental Guidance suggested. Some material may not be suitable for children.**
14+	**Programming contains themes or content which may not be suitable for viewers under the age of 14. Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens.**
18	**ADULTS ONLY**

CANADIAN FRENCH

The V-CHIP used in this TV model also lets you block or unblock Canadian French programs according to various ratings categories.

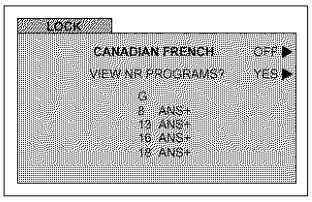


Note: *E (Exempt) programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.*

ENGLISH

V-Chip Menu Operation (cont.)

CANADIAN FRENCH (cont.)



Procedure

- Press **CH ▼** or **CH ▲** to move between different ratings.
- Use **◄ VOL** or **VOL ►** to select ratings you want to block (**RED**) and unblock (**GREEN**).
- Press ACTION twice to return to MODE in Lock menu.
- Press **◄ VOL** or **VOL ►** to select 12, 24, 48 hours or ALWAYS.

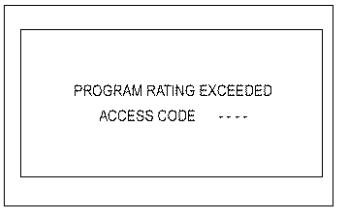
Canadian French Rating Description

E	Exempt - Exempt programming.
G	General - Programming intended for audience of all ages. Contains no violence, or the violence content is minimal or is depicted appropriately.
8 ans +	8+ General - Not recommended for young children. Programming intended for a broad audience but contains light or occasional violence. Adult supervision recommended.
13 ans +	Programming may not be suitable for children under the age of 13 - Contains either a few violent scenes or one or more sufficiently violent scenes to affect them. Adult supervision strongly suggested.
16 ans +	Programming may not be suitable for children under the age of 16 - Contains frequent scenes of violence or intense violence.
18 ans +	Programming restricted to adults. Contains constant violence or scenes of extreme violence.

BLOCKING MESSAGE

If V-Chip is enabled and the program exceeds the rating limit set by you, the blocking message will appear and the audio will be muted. Enter your four-digit secret code if you wish to continue viewing the program. After entering your code, all locks and rating blocks are disabled until the TV is turned off or until all settings are off.

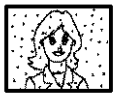
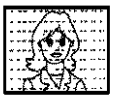
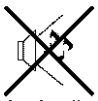
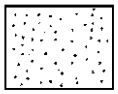
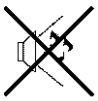
Note: *If you enter your four-digit secret code to override rating blocks, you must reset all rating blocks by either reprogramming or turning the TV off.*



ENGLISH

Troubleshooting Chart

Before calling for service, determine the symptoms and follow suggested solutions.

AUDIO	VIDEO	Solutions
Noisy Audio	 Snowy Video	Adjust Antenna Location and Connection Check Cable Connection
Noisy Audio	Multiple Image	Adjust Antenna Location and Connection Check Antenna Lead-in Wire Check Cable Connection
Noisy Audio	 Interference	Move television from Electrical Appliances, Lights, Vehicles and Medical Equipment
 No Audio	Normal Video	Increase Volume Check Mute Check television SPEAKERS on/off Change Channel
Noisy Audio	 No Video with Snow	Set TV or Cable Mode Properly Check Antenna Cables
No Audio	No Video	Check Power Cord is Plugged into Active Outlet Adjust Brightness and Audio Controls Change Channel Check Cable Connections Program the Remote Control Again Check Second Video Source Operation
Normal Audio	No Color	Adjust Color Settings Change Channel
 Wrong Audio	Normal Video	Check Audio Is Set To Stereo or Mono, Not SAP
Normal Audio	Normal Video	Replace Remote Control Batteries
Intermittent Remote Control Operation		

ENGLISH

Index

A

AC Power Supply Cord 3
Antenna Connection 3
Audio 9
Audio Adj. 9
Auto Power On 8
Auto Program 4, 8
Auto Set Up Menu 4

B

Battery Installation 6
Blocking Message 12

C

Cabinet and Remote Control 2
Cable / Antenna Connection 3
Cable Box Connection 5
Cable Connection 3
Canadian English 11
Canadian French 11
Canadian French Rating Description 12
Care and Cleaning 2
CC Mode 8
CC On Mute 8
Closed Captioning 8
Congratulations 2
Customer Record 2

D

Digital TV - Set-Top Box (DTV-STB) or DVD Player Connection 5

F

Feature Chart 2
Front Control Panel 5

I

Icon Menu Navigation 7
Icon Menu Operation 8
Idioma/langue 4
Important Information Regarding The Use Of Video Games 3
Installation 3

L

Lock 9
Lock Set 9

M

Manual Program 8

O

Optional Cable Connections 3
Optional Equipment Connections 5
Other Adj. 9

P

Picture 8
Program Channels 8

R

Remote Control Operation 6

S

Sleep 9
Specifications 2

T

Television Location 3
Timer 9
Troubleshooting Chart 13

U

U.S. Movies 10
U.S. Movies Rating Chart Description 11
U.S. TV Programs 10

V

V-Chip Menu Operation 10
VCR Connection 5

ENGLISH

PANASONIC CONSUMER ELECTRONICS COMPANY,
DIVISION OF:
MATSUSHITA ELECTRIC CORPORATION OF AMERICA
One Panasonic Way
Secaucus, New Jersey 07094

PANASONIC SALES COMPANY,
DIVISION OF:
MATSUSHITA ELECTRIC OF PUERTO RICO, INC., Ave. 65 de Infanteria, Km. 9.5
San Gabriel Industrial Park
Carolina, Puerto Rico 00985

Panasonic Color Television
Limited Warranty

Limited Warranty Coverage

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

TV CATEGORIES	ALL PARTS EXCEPT CRT	CRT	LABOR	SERVICE
9"-21" diagonal	1 (ONE) YEAR	2 (TWO) YEARS	90 DAYS	CARRY-IN

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must carry-in your product or arrange for in-home service (in-home service available only for 22" [diagonal] and larger screen), as applicable, during the warranty period. If non-rechargeable batteries are included, they are not warranted. This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is". A purchase receipt or other proof of the original purchase date is required for warranty service.

Carry-in or In-Home Service

For Carry-In or In-Home Service (as applicable) in the United States call 1-800-211-PANA(7262) or visit Panasonic Web Site: http://www.panasonic.com
For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910.

In-Home service, if applicable, requires clear, complete and easy access to the product by the authorized servicer and does not include removal or re-installation of an installed product. It is possible that certain in-home repairs will not be completed in-home, but will require that the product, or parts of the product, be removed for shop diagnosis and/or repair and then returned.

Limited Warranty continued on next page

Limited Warranty continued from previous page

Limited Warranty Limits And Exclusions

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage, nor does it cover markings or retained images on the picture tube resulting from viewing fixed images (including, among other things, letterbox pictures on standard 4:3 screen TVís, or non-expanded standard 4:3 pictures on wide screen TV's, or onscreen data in a stationary and fixed location). The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or commercial use (such as in a hotel, office, restaurant, or other business), rental use of the product, service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, or travel to and from the servicer. The items listed are not exclusive, but are for illustration only.) **ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have others rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE (INCLUDING COST OF AN IN-HOME SERVICE CALL, WHERE APPLICABLE) WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY ARE YOUR RESPONSIBILITY.

For Product Information, Operating Assistance, Literature Request, Dealer Locations, and all Customer Service inquiries please contact:
1-800-211-PANA (7262), Monday-Friday 9am - 9pm; Saturday-Sunday 10 am - 7pm, EST.

Web Site: http://www.panasonic.com
You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.

Accessory Purchases:

1-800-332-5368 (Customer Orders Only)
Panasonic Services Company 20421 84th Avenue South, Kent, WA 98032
(6 am to 5 pm Monday - Friday; 6 am to 10:30 am Saturday; PST)
(Visa, MasterCard, Discover Card, American Express, Check)

Service in Puerto Rico
Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company/Factory Servicenter:
Ave. 65 de Infanteria, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985
Phone (787) 750-4300 Fax (787) 768-2910

LIMITED WARRANTY (FOR MODELS SOLD IN CANADA ONLY)

Panasonic Canada Inc.
5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC PRODUCT - LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

TELEVISION:
22" and under Carry-in Service only One (1) year, parts (including Picture Tube) and labour

In-home Service will be carried out only to locations accessible by roads and within 50 Km of an authorized Panasonic service facility.

LIMITATIONS AND EXCLUSIONS

This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty.
This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of date of original purchase is required before warranty service is performed.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, EXCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

WARRANTY SERVICE

For product operation and information assistance, please contact your Dealer or our Customer Care Centre at:
Telephone #: (905) 624-5505 Fax #: (905) 238-2360 Web: www.panasonic.ca

For product repairs, please contact one of the following:

- Your Dealer who will inform you of an authorized Servicentre nearest you.
- Our Customer Care Centre at (905) 624-5505 or www.panasonic.ca
- A Panasonic Factory Servicentre listed below:

Richmond, British Columbia	Calgary, Alberta	Mississauga, Ontario	Lachine, Québec
Panasonic Canada Inc. 12111 Riverside Way Richmond, BC V6W 1K8 Tel: (604) 278-4211 Fax: (604) 278-5627	Panasonic Canada Inc. 6835-8th St. N. E. Calgary, AB T2E 7H7 Tel: (403) 295-3955 Fax: (403) 274-5493	Panasonic Canada Inc. 5770 Ambler Dr. Mississauga, ON L4W 2T3 Tel: (905) 624-8447 Fax: (905) 238-2418	Panasonic Canada Inc. 3075, rue Louis A. Amos Lachine, QC H8T 1C4 Tel: (514) 633-8684 Fax: (514) 633-8020

IF YOU SHIP THE PRODUCT TO A SERVICENTRE

Carefully pack and send prepaid, adequately insured and preferably in the original carton.

Include details of the defect claimed, and proof of date of original purchase.

Panasonic Consumer Electronics Company, Division of Matsushita Electric Corporation of America
One Panasonic Way
Secaucus, New Jersey 07094
www.panasonic.com

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico Inc. ("PSC")
Ave. 65 de Infantería, Km 9.5
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